

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,221,545 B2  
APPLICATION NO. : 10/781232  
DATED : May 22, 2007  
INVENTOR(S) : Hardayal S. Gill

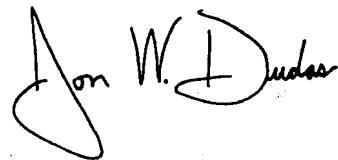
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 9, line 49 change "farthest front" to --farthest from--;  
Col. 10, line 16 change "pint ed layer" to --pinned layer--;  
Col. 10, line 67 change "CoPe" to --CoFe--;  
Col. 11, line 14 change "parts of" to --part of--.

Signed and Sealed this

Third Day of July, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*